Intermal Application No

	•		PCT/EP2005/050465		
A. CLASSI	IFICATION OF SUBJECT MATTER C12Q1/68 G01N33/50				
	20111337 33				
According to	o International Patent Classification (IPC) or to both national classi	fication and IBC			
1	SEARCHED	ication and IPC			
Minimum do	ocumentation searched (classification system followed by classific C12Q G01N C12N	ation symbols)			
1,0 /	CIEQ GOIN CIEN				
Documental	tion searched other than minimum documentation to the extent tha	I cuch decuments are include	d in the fields and a		
	Section 1 and 1 an	i such documents are include	u in the lierus searched		
Electronic d	ata base consulted during the international search (name of data	base and, where practical, se	earch lerms used)		
	ternal, WPI Data, PAJ, BIOSIS, MEDI		•		
	,,,,,				
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		,		
Category °	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to claim No.		
V	NO 00/62424 A (INTUEDOTTION OF INT				
Х	WO 00/63434 A (UNIVERSITY OF UTA FOUNDATION; YALE UNIVERSITY)	AH RESEARCH	2,9		
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	page 46 - page 48; examples 14,1	.5			
Х	WO 02/064749 A (RENOVIS, INC; SE	RAFINI,	4		
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ļ	page 20; table 11				
x	WO 02/068579 A (PE CORPORATION)	1	2		
	6 September 2002 (2002-09-06) Sequence 21933 from Patent W0020	60E7D			
	SEQ ID NO:2 (KCNE4)	003/9 -			
İ	*****	-/			
ĺ		-/			
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ļ					
X Further	er documents are listed in the continuation of box C.	χ Palent family mem	bers are listed in annex.		
 Special cate 	gortes of cited documents:	*T* later document publishe	d after the international filing date		
"A" document conside	al defining the general state of the art which is not red to be of particular relevance	or priority date and not cited to understand the	in conflict with the application but principle or theory underlying the		
"E" earlier do filing da	ocument but published on or after the international	"X" document of particular r	elevance: the claimed invention		
WINCH	t which may throw doubts on priority claim(s) or cited to establish the publication date of another	involve an inventive st	novel or cannot be considered to ap when the document is taken alone		
citation	or other special reason (as specified) It referring to an oral disclosure, use, exhibition or	cannot be considered t	elevance; the claimed invention o involve an inventive slep when the		
other ma	eans it published prior to the international filing date but	ments, such combinati in the art.	with one or more other such docu- on being obvious to a person skilled		
& document member of the same patent family					
uate of the ac	ctual completion of the international search	Date of mailing of the in	lemational search report		
16	June 2005	04/07/2009	5		
Name and ma	illing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer			
	NL - 2280 HV Hijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.	A . L			
	Fax: (+31-70) 340-3016	Gabriels,	J		

40/588274 IAP11 Rec'd PCT/PTO 04 AUG 2006

INTERNATIONAL SEARCH REPORT

Intermenal Application No PCT/EP2005/050465 C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ WO 99/55867 A (INCYTE PHARMACEUTICALS, 2 INC; HILLMAN, JENNIFER, L; PATTERSON, CHANDRA;) 4 November 1999 (1999-11-04) Υ 1,5,9, 10,12 Υ GOOD T A ET AL: "BETA-AMYLOID PEPTIDE 1,5,9, BLOCKS THE FAST-INACTIVATING K+ CURRENT IN 10,12 RAT HIPPOCAMPAL NEURONS" BIOPHYSICAL JOURNAL, NEW YORK, US, US, vol. 70, no. 1, January 1996 (1996-01), pages 296-304, XP009036314 ISSN: 0006-3495 the whole document Υ SHIEH CHAR-CHANG ET AL: "Potassium 1,5,9, channels: Molecular defects, diseases, and 10,12 therapeutic opportunities" PHARMACOLOGICAL REVIEWS, WILLIAMS AND WILKINS INC., BALTIMORE, MD,, US, vol. 52, no. 4, December 2000 (2000-12), pages 557-593, XP002295931 ISSN: 0031-6997 the whole document Υ WO 00/77035 A (NEUROSEARCH A/S) 1,5,9, 21 December 2000 (2000-12-21) 10,12 the whole document

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.1

Claims Nos.: 7,8

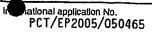
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

Continuation of Box II.2

Claims Nos.: 3

Present claim 3 relates to a compounds defined by reference to a desirable characteristic or property, namely being a modulator of KCNE4. The claim covers all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for none of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claim also lacks clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the claimed scope impossible. Consequently, no search has been carried out forclaim 3.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.



Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	emational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. 🗶	Claims Nos.: 7, 8 because they relate to subject matter not required to be searched by this Authority, namely:
	Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X	Claims Nos.: 3 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	see FURTHER INFORMATION sheet PCT/ISA/210
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	mational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4 N	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	n Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

mormation on patent family members

Intercental Application No PCT/EP2005/050465

					. 01/ 11 2	7 2003/ 030403	
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hational application No.

PCT/EP2005/050465

30x [No. I	Nucleotide and/or amino acid sequence(s) (Continuation of Item 1.b of the first sheet)	, Jan.
١.	With Inven	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to tion, the international search was carried out on the basis of:	- 6
	a,	type of material X a sequence listing table(s) related to the sequence listing	*
	b.	format of material X in written format X in computer readable form	
	c.	time of filing/fumishing contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search	
2.	Х	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto h or furnished, the required statements that the information in the subsequent or additional copies is identical to application as filed or does not go beyond the application as filed, as appropriate, were furnished.	as been filed that in the